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- Local Bus-Latch Capability
- Choice of True or Inverting Logic
- Package Options Include Plastic Small-Outline (DW) Packages and Standard Plastic (N) 300-mil DIPs

DEVICE	OUTPUT	LOGIC
SN74ALS620A	3 state	Inverting
SN74ALS621A	Open collector	True
SN74ALS623A, SN74AS623	3 state	True

DW OR N PACKAGE (TOP VIEW)						
OEAB [A1 [A2] A3 [A4 [A5 [A6 [A7 [GND]	1 2 3 4 5 6 7 8 9 10	20 19 18 17 16 15 14 13 12 11] V _{CC}] OEBA] B1] B2] B3] B4] B5] B6] B7] B8			

description

These octal bus transceivers are designed for asynchronous two-way communication between data buses. The control-function implementation allows for maximum flexibility in timing.

These devices allow data transmission from the A bus to the B bus or from the B bus to the A bus, depending upon the logic levels at the output-enable (OEAB and \overline{OEBA}) inputs.

The output-enable inputs disable the device so that the buses are effectively isolated. The dual-enable configuration gives the transceivers the capability to store data by simultaneously enabling OEAB and OEBA. Each output reinforces its input in this transceiver configuration. When both OEAB and OEBA are enabled and all other data sources to the two sets of bus lines are in the high-impedance state, both sets of bus lines (16 total) remain at their last states. The 8-bit codes appearing on the two sets of buses are identical for the SN74ALS621A, SN74ALS623A, and SN74AS623 or complementary for the SN74ALS620A.

The -1 versions of the SN74ALS620A and SN74ALS621A are identical to the standard versions, except that the recommended maximum I_{OL} is increased to 48 mA in the -1 versions.

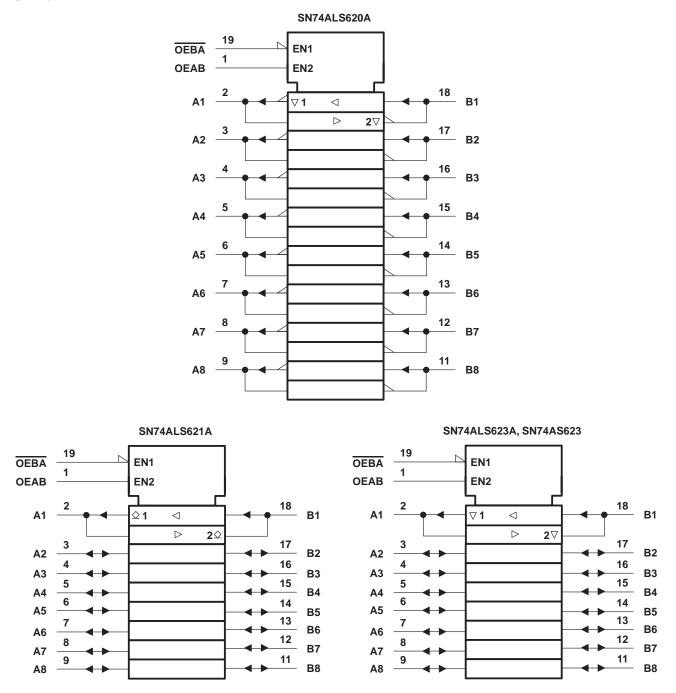
The SN74ALS620A, SN74ALS621A, SN74ALS623A, and SN74AS623 are characterized for operation from 0°C to 70°C.

	FUNCTION TABLE								
INP	UTS	OPERATION							
OEBA	OEAB	SN74ALS620A	SN74ALS621A SN74ALS623A SN74AS623						
L	L	B data to A bus	B data to A bus						
н	Н	A data to B bus	A data to B bus						
н	L	Isolation	Isolation						
L	Н	B data to A bus, A data to B bus	B data to A bus, A data to B bus						

FUNCTION	TARI F
1 011011011	

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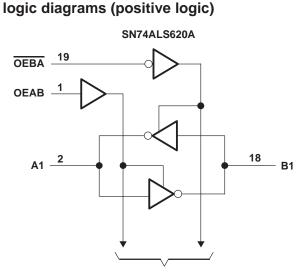
logic symbols[†]

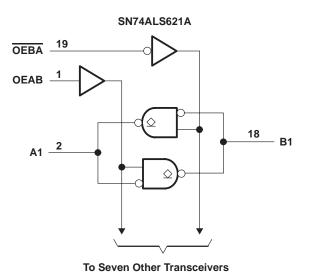


[†] These symbols are in accordance with ANSI/IEEE Std 91-1984 and IEC Publication 617-12.

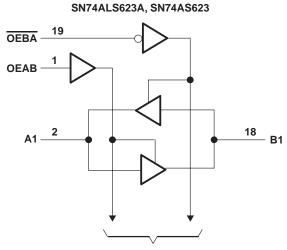


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To Seven Other Transceivers



To Seven Other Transceivers

absolute maximum ratings over operating free-air temperature range (unless otherwise noted)[†]

Supply voltage, V _{CC}	7 V
Input voltage, VI: All inputs	7 V
I/O ports 5.5	
Operating free-air temperature range, T _A : SN74ALS620A, SN74ALS623A 0°C to 70	٥°C
Storage temperature range	٥C

[†] Stresses beyond those listed under "absolute maximum ratings" may cause permanent damage to the device. These are stress ratings only, and functional operation of the device at these or any other conditions beyond those indicated under "recommended operating conditions" is not implied. Exposure to absolute-maximum-rated conditions for extended periods may affect device reliability.



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recommended operating conditions

		-	74ALS62 74ALS62	-	UNIT
		MIN	NOM	MAX	
VCC	Supply voltage	4.5	5	5.5	V
VIH	High-level input voltage	2			V
VIL	Low-level input voltage			0.8	V
ЮН	High-level output current			-15	mA
IOL	Low-level output current			24	mA
ТА	Operating free-air temperature	0		70	°C

electrical characteristics over recommended operating free-air temperature range (unless otherwise noted)

PARAMETER		TEST COND			SN74ALS620A SN74ALS623A			
				MIN	MIN TYP [†] MAX			
VIK		V _{CC} = 4.5 V,	l _l = –18 mA			-1.2	V	
		V_{CC} = 4.5 V to 5.5 V,	I _{OH} = -0.4 mA	V _{CC} -2	2			
∨он			$I_{OH} = -3 \text{ mA}$	2.4	3.2		V	
		$V_{CC} = 4.5 V$	I _{OH} = -15 mA	2				
Mar			I _{OL} = 12 mA		0.25	0.4	V	
VOL		V _{CC} = 4.5 V	$I_{OL} = 24 \text{ mA}^{\ddagger}$		0.35	0.5		
	Control inputs		V _I = 7 V		0.1	m۸		
Ι	A or B ports	V _{CC} = 5.5 V	V _I = 5.5 V			0.1	mA	
	Control inputs		VI = 2.7 V			20		
ΪН	A or B ports§	V _{CC} = 5.5 V,	$v_{1} = 2.7 v_{2}$			20	μA	
1	Control inputs		V ₁ = 0.4 V			-0.1	m (
ΊL	A or B ports§	V _{CC} = 5.5 V,	V] = 0.4 V			-0.1	ША	
IO¶		V _{CC} = 5.5 V,	V _O = 2.25 V	-30		-112	mA	
			Outputs high		24	34		
	SN74ALS620A	$V_{CC} = 5.5 V$	Outputs low		31	44		
1			Outputs disabled		33	47	V V mA μA mA	
lcc			Outputs high		32	43	ШA	
	SN74ALS623A	$V_{CC} = 5.5 V$	Outputs low		39	50		
			Outputs disabled		42	55		

[†] All typical values are at V_{CC} = 5 V, T_A = 25° C. [‡] Applies only to the -1 version and only if V_{CC} is between 4.75 V and 5.25 V

 $\$ For I/O ports, the parameters I_{IH} and I_{IL} include the off-state output current.

The output conditions have been chosen to produce a current that closely approximates one half of the true short-circuit output current, IOS.



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switching characteristics (see Figure 1)

PARAMETER	FROM (INPUT)	TO (OUTPUT)	CL R1 R2	V_{CC} = 4.5 V to 5.5 V, C_{L} = 50 pF, R1 = 500 Ω, R2 = 500 Ω, T_{A} = MIN to MAX [†]		UNIT	
			SN74AL	S620A	SN74AL	S623A	
			MIN	MAX	MIN	MAX	
^t PLH	А		2	10	2	13	ns
^t PHL	A	В	2	10	3	11	115
^t PLH	В		2	10	2	13	ns
^t PHL		A	2	10	3	11	115
^t PZH	OEBA		3	17	5	22	ns
^t PZL	OEBA	A	5	25	5	22	115
^t PHZ	0504		2	12	2	16	ns
^t PLZ	OEBA	A	3	18	2	19	115
^t PZH		D	3	18	5	22	ns
tPZL	OEAB	В	5	25	5	22	115
^t PHZ	OEAB	В	2	12	2	16	ns
^t PLZ	UEAD		3	18	2	19	115

[†] For conditions shown as MIN or MAX, use the appropriate value specified under recommended operating conditions.

absolute maximum ratings over operating free-air temperature range (unless otherwise noted)[‡]

Supply voltage, V _{CC}	7 V
Input voltage, V _I : All inputs and I/O ports	7 V
Operating free-air temperature range, TA: SN74ALS621A	0°C
Storage temperature range	0°C

[‡] Stresses beyond those listed under "absolute maximum ratings" may cause permanent damage to the device. These are stress ratings only, and functional operation of the device at these or any other conditions beyond those indicated under "recommended operating conditions" is not implied. Exposure to absolute-maximum-rated conditions for extended periods may affect device reliability.

recommended operating conditions

		SN74ALS621A		UNIT	
		MIN	NOM	MAX	UNIT
Vcc	Supply voltage	4.5	5	5.5	V
VIH	High-level input voltage	2			V
VIL	Low-level input voltage			0.8	V
Vон	High-level output voltage			5.5	V
1				24	mA
OL	Low-level output content			48§	mA
Тд	Operating free-air temperature	0		70	°C
IOL T _A	Low-level output current Operating free-air temperature	0			_

 $\$ Applies only to the -1 version and only if V_{CC} is between 4.75 V and 5.25 V



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electrical characteristics over recommended operating free-air temperature range (unless otherwise noted)

PARAMETER		TEST CO	TEST CONDITIONS		SN74ALS621A			
		TEST CO		MIN TYP [†] MAX			UNIT	
VIK		V _{CC} = 4.5 V,	lı = – 18 mA			-1.5	V	
IOH		V _{CC} = 4.5 V,	V _{OH} = 5.5 V			0.1	mA	
Vai			I _{OL} = 24 mA		0.35	0.5		
VOL		$V_{CC} = 4.5 V$	$I_{OL} = 48 \text{ mA}^{\ddagger}$		0.35	0.5	5 V	
1.	Control inputs		V _I = 7 V			0.1	mA	
Ι	A or B ports	V _{CC} = 5.5 V	V _I = 5.5 V			0.1	mA	
	Control inputs		<u>)</u> /, 07)/			20		
ΙΗ	A or B ports§	V _{CC} = 5.5 V,	V ₁ = 2.7 V			20	μA	
l	Control inputs					-0.1		
ΊL	A or B ports§	V _{CC} = 5.5 V,	$V_{ } = 0.4 V$			-0.1	mA	
1			Outputs high		29	40	m A	
ICC		V _{CC} = 5.5 V	Outputs low		35	48	mA	

[†] All typical values are at V_{CC} = 5 V, T_A = 25°C. [‡] Applies only to the -1 version and only if V_{CC} is between 4.75 V and 5.25 V

§ For I/O ports, the parameters IIH and IIL include the off-state output current.

switching characteristics (see Figure 1)

PARAMETER	FROM (INPUT)	TO (OUTPUT)	$V_{CC} = 4.5$ $C_L = 50 \text{ pF}$ $R_L = 680 \Omega$ $T_A = \text{MIN t}$ SN74A	<u>م</u> MAX¶	UNIT
			MIN	MAX	
^t PLH	٨		10	33	
^t PHL	A	В	5	20	ns
^t PLH	В		10	33	ns
^t PHL	d	A	5	20	115
^t PLH			10	39	
^t PHL	OEBA	A	12	35	ns
tPLH	OEAB	В	10	39	
^t PHL	OLAB	В	12	35	ns

¶ For conditions shown as MIN or MAX, use the appropriate value specified under recommended operating conditions.



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absolute maximum ratings over operating free-air temperature range (unless otherwise noted)[†]

Supply voltage, V _{CC}	
Input voltage, VI: All inputs	
I/O ports	5.5 V
Operating free-air temperature range, T _A : SN74AS623	0°C to 70°C
Storage temperature range	-65°C to 150°C

[†] Stresses beyond those listed under "absolute maximum ratings" may cause permanent damage to the device. These are stress ratings only, and functional operation of the device at these or any other conditions beyond those indicated under "recommended operating conditions" is not implied. Exposure to absolute-maximum-rated conditions for extended periods may affect device reliability.

recommended operating conditions

		SN74AS623		UNIT	
		MIN	NOM	MAX	UNIT
VCC	Supply voltage	4.5	5	5.5	V
VIH	High-level input voltage	2			V
VIL	Low-level input voltage			0.8	V
IOH	High-level output current			-15	mA
IOL	Low-level output current			64	mA
Тд	Operating free-air temperature	0		70	°C

electrical characteristics over recommended operating free-air temperature range (unless otherwise noted)

DADAMETED		TEST COND	SN	SN74AS623				
	PARAMETER	TEST COND	IIION5	MIN	TYP‡	MAX	UNIT	
VIK		V _{CC} = 4.5 V,	Ij = -18 mA			-1.2	V	
		$V_{CC} = 4.5 V \text{ to } 5.5 V,$	$I_{OH} = -2 \text{ mA}$	V _{CC} -2				
∨он			$I_{OH} = -3 \text{ mA}$	2.4	3.2		V	
		V _{CC} = 4.5 V	I _{OH} = -15 mA	2			1	
VOL		V _{CC} = 4.5 V,	I _{OL} = 64 mA		0.35	0.55	V	
	Control inputs		V _I = 7 V			0.1	mA	
1	A or B ports	V _{CC} = 5.5 V	V _I = 5.5 V		0.1		ША	
1	Control inputs		\/			20	۵	
ΊН	A or B ports§	V _{CC} = 5.5 V,	$CC = 5.5 V,$ $V_{l} = 2.7 V$			70	μA	
1	Control inputs					-0.5	mA	
IIL A or B ports§		V _{CC} = 5.5 V,	V _I = 0.4 V			-0.75	mA	
IO		V _{CC} = 5.5 V,	V _O = 2.25 V	-30		-150	mA	
			Outputs high		57	93		
ICC		$V_{CC} = 5.5 V$	Outputs low		16	189	mA	
			Outputs disabled		71	116		

[‡] All typical values are at V_{CC} = 5 V, T_A = 25°C.

 $\$ For I/O ports, the parameters I_{IH} and I_{IL} include the off-state output current.

The output conditions have been chosen to produce a current that closely approximates one half of the true short-circuit output current, IOS.



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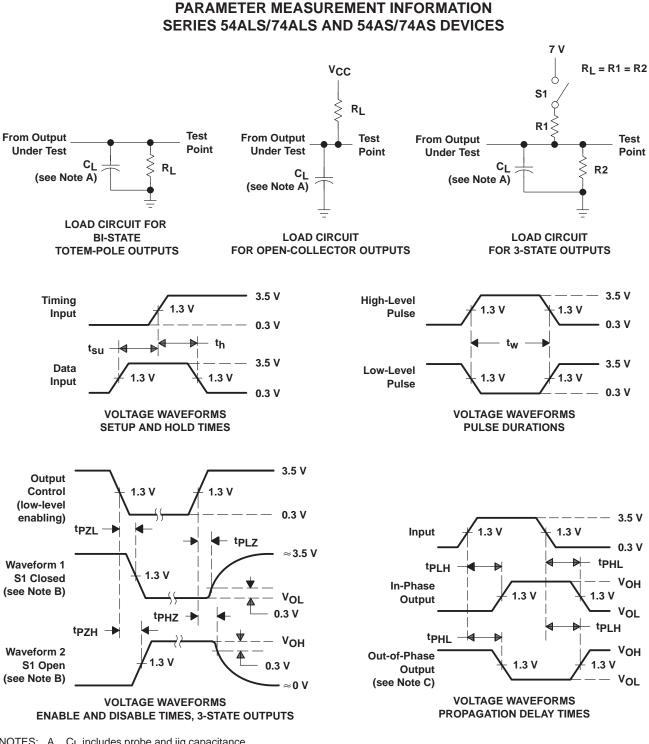
switching characteristics (see Figure 1)

PARAMETER	ER FROM TO (INPUT) (OUTPUT)				UNIT
			MIN	MAX	
^t PLH	А	P	1	9	ns
^t PHL	~	В	1	8	115
^t PLH	В	•	1	9	
^t PHL	B	А	1	8.5	ns
^t PZH	0554		2	11	
^t PZL	OEBA	А	2	10	ns
^t PHZ	0554		1	7.5	
^t PLZ	OEBA	А	1	11.5	ns
^t PZH	0540	5	2	11.5	
^t PZL	OEAB	В	2	11	ns
^t PHZ	OFAR	P	1	7	
^t PLZ	OEAB	В	1	9	ns

[†] For conditions shown as MIN or MAX, use the appropriate value specified under recommended operating conditions.



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NOTES: A. CL includes probe and jig capacitance.

- B. Waveform 1 is for an output with internal conditions such that the output is low except when disabled by the output control. Waveform 2 is for an output with internal conditions such that the output is high except when disabled by the output control. C. When measuring propagation delay items of 3-state outputs, switch S1 is open.
- D. All input pulses have the following characteristics: $PRR \le 1$ MHz, $t_f = t_f = 2$ ns, duty cycle = 50%.
- E. The outputs are measured one at a time with one transition per measurement.

Figure 1. Load Circuits and Voltage Waveforms



18-Sep-2008

PACKAGING INFORMATION

TEXAS INSTRUMENTS www.ti.com

Orderable Device	Status ⁽¹⁾	Package Type	Package Drawing	Pins	Package Qty	e Eco Plan ⁽²⁾	Lead/Ball Finish	MSL Peak Temp ⁽³⁾
SN74ALS620ADW	ACTIVE	SOIC	DW	20	25	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ALS620ADWE4	ACTIVE	SOIC	DW	20	25	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ALS620ADWG4	ACTIVE	SOIC	DW	20	25	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ALS620ADWR	OBSOLETE	SOIC	DW	20		TBD	Call TI	Call TI
SN74ALS620AN	ACTIVE	PDIP	Ν	20	20	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN74ALS620ANE4	ACTIVE	PDIP	Ν	20	20	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN74ALS621A-1DW	ACTIVE	SOIC	DW	20	25	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ALS621A-1DWE4	ACTIVE	SOIC	DW	20	25	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ALS621A-1DWG4	ACTIVE	SOIC	DW	20	25	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ALS621A-1DWR	ACTIVE	SOIC	DW	20	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ALS621A-1DWRE4	ACTIVE	SOIC	DW	20	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ALS621A-1DWRG4	ACTIVE	SOIC	DW	20	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ALS621A-1N	ACTIVE	PDIP	Ν	20	20	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN74ALS621A-1NE4	ACTIVE	PDIP	Ν	20	20	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN74ALS621A-1NSR	ACTIVE	SO	NS	20	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ALS621A-1NSRE4	ACTIVE	SO	NS	20	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ALS621A-1NSRG4	ACTIVE	SO	NS	20	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ALS621ADW	ACTIVE	SOIC	DW	20	25	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ALS621ADWE4	ACTIVE	SOIC	DW	20	25	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ALS621ADWG4	ACTIVE	SOIC	DW	20	25	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ALS621ADWR	ACTIVE	SOIC	DW	20	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ALS621ADWRE4	ACTIVE	SOIC	DW	20	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ALS621ADWRG4	ACTIVE	SOIC	DW	20	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ALS621AN	ACTIVE	PDIP	Ν	20	20	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN74ALS621ANE4	ACTIVE	PDIP	Ν	20	20	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type

18-Sep-2008

Orderable Device	Status ⁽¹⁾	Package Type	Package Drawing	Pins	Package Qty	Eco Plan ⁽²⁾	Lead/Ball Finish	MSL Peak Temp ⁽³⁾
SN74ALS623A-1DW	OBSOLETE	SOIC	DW	20		TBD	Call TI	Call TI
SN74ALS623A-1DWR	OBSOLETE	SOIC	DW	20		TBD	Call TI	Call TI
SN74ALS623A-1N	OBSOLETE	PDIP	Ν	20		TBD	Call TI	Call TI
SN74ALS623ADW	ACTIVE	SOIC	DW	20	25	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ALS623ADWE4	ACTIVE	SOIC	DW	20	25	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ALS623ADWG4	ACTIVE	SOIC	DW	20	25	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ALS623ADWR	ACTIVE	SOIC	DW	20	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ALS623ADWRE4	ACTIVE	SOIC	DW	20	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ALS623ADWRG4	ACTIVE	SOIC	DW	20	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ALS623AN	ACTIVE	PDIP	Ν	20	20	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN74ALS623AN3	OBSOLETE	PDIP	Ν	20		TBD	Call TI	Call TI
SN74ALS623ANE4	ACTIVE	PDIP	Ν	20	20	Pb-Free (RoHS)	CU NIPDAU	N / A for Pkg Type
SN74ALS623ANSR	ACTIVE	SO	NS	20	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ALS623ANSRE4	ACTIVE	SO	NS	20	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74ALS623ANSRG4	ACTIVE	SO	NS	20	2000	Green (RoHS & no Sb/Br)	CU NIPDAU	Level-1-260C-UNLIM
SN74AS623DW	OBSOLETE	SOIC	DW	20		TBD	Call TI	Call TI
SN74AS623DWR	OBSOLETE	SOIC	DW	20		TBD	Call TI	Call TI
SN74AS623N	OBSOLETE	PDIP	Ν	20		TBD	Call TI	Call TI

⁽¹⁾ The marketing status values are defined as follows:

www ti com

ACTIVE: Product device recommended for new designs.

LIFEBUY: TI has announced that the device will be discontinued, and a lifetime-buy period is in effect.

NRND: Not recommended for new designs. Device is in production to support existing customers, but TI does not recommend using this part in a new design.

PREVIEW: Device has been announced but is not in production. Samples may or may not be available.

OBSOLETE: TI has discontinued the production of the device.

⁽²⁾ Eco Plan - The planned eco-friendly classification: Pb-Free (RoHS), Pb-Free (RoHS Exempt), or Green (RoHS & no Sb/Br) - please check http://www.ti.com/productcontent for the latest availability information and additional product content details. **TBD:** The Pb-Free/Green conversion plan has not been defined.

Pb-Free (RoHS): TI's terms "Lead-Free" or "Pb-Free" mean semiconductor products that are compatible with the current RoHS requirements for all 6 substances, including the requirement that lead not exceed 0.1% by weight in homogeneous materials. Where designed to be soldered at high temperatures, TI Pb-Free products are suitable for use in specified lead-free processes.

Pb-Free (RoHS Exempt): This component has a RoHS exemption for either 1) lead-based flip-chip solder bumps used between the die and package, or 2) lead-based die adhesive used between the die and leadframe. The component is otherwise considered Pb-Free (RoHS compatible) as defined above.

Green (RoHS & no Sb/Br): TI defines "Green" to mean Pb-Free (RoHS compatible), and free of Bromine (Br) and Antimony (Sb) based flame retardants (Br or Sb do not exceed 0.1% by weight in homogeneous material)

⁽³⁾ MSL, Peak Temp. -- The Moisture Sensitivity Level rating according to the JEDEC industry standard classifications, and peak solder temperature.

Important Information and Disclaimer: The information provided on this page represents TI's knowledge and belief as of the date that it is



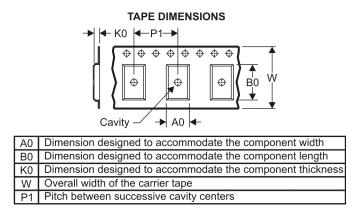
PACKAGE OPTION ADDENDUM

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TAPE AND REEL INFORMATION





QUADRANT ASSIGNMENTS FOR PIN 1 ORIENTATION IN TAPE

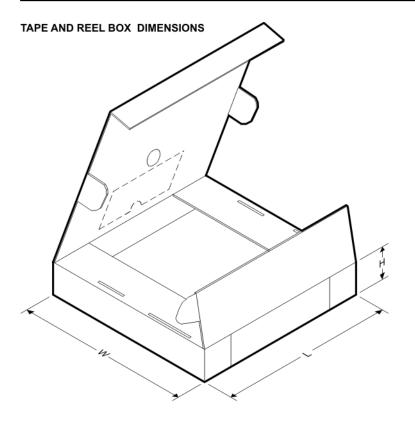


Device		Package Drawing			Reel Diameter (mm)	Reel Width W1 (mm)	A0 (mm)	B0 (mm)	K0 (mm)	P1 (mm)	W (mm)	Pin1 Quadrant
SN74ALS621A-1DWR	SOIC	DW	20	2000	330.0	24.4	10.8	13.0	2.7	12.0	24.0	Q1
SN74ALS621A-1NSR	SO	NS	20	2000	330.0	24.4	8.2	13.0	2.5	12.0	24.0	Q1
SN74ALS621ADWR	SOIC	DW	20	2000	330.0	24.4	10.8	13.0	2.7	12.0	24.0	Q1
SN74ALS623ADWR	SOIC	DW	20	2000	330.0	24.4	10.8	13.0	2.7	12.0	24.0	Q1
SN74ALS623ANSR	SO	NS	20	2000	330.0	24.4	8.2	13.0	2.5	12.0	24.0	Q1



PACKAGE MATERIALS INFORMATION

5-Aug-2008



*All dimensions are nominal

Device	Package Type	Package Drawing	Pins	SPQ	Length (mm)	Width (mm)	Height (mm)
SN74ALS621A-1DWR	SOIC	DW	20	2000	346.0	346.0	41.0
SN74ALS621A-1NSR	SO	NS	20	2000	346.0	346.0	41.0
SN74ALS621ADWR	SOIC	DW	20	2000	346.0	346.0	41.0
SN74ALS623ADWR	SOIC	DW	20	2000	346.0	346.0	41.0
SN74ALS623ANSR	SO	NS	20	2000	346.0	346.0	41.0

MECHANICAL DATA

PLASTIC SMALL-OUTLINE PACKAGE

0,51 0,35 ⊕0,25⊛ 1,27 8 14 0,15 NOM 5,60 8,20 5,00 7,40 \bigcirc Gage Plane ₽ 0,25 7 1 1,05 0,55 0-10 Δ 0,15 0,05 Seating Plane — 2,00 MAX 0,10PINS ** 14 16 20 24 DIM 10,50 10,50 12,90 15,30 A MAX A MIN 9,90 9,90 12,30 14,70 4040062/C 03/03

NOTES: A. All linear dimensions are in millimeters.

NS (R-PDSO-G**)

14-PINS SHOWN

- B. This drawing is subject to change without notice.
- C. Body dimensions do not include mold flash or protrusion, not to exceed 0,15.



DW (R-PDSO-G20)

PLASTIC SMALL-OUTLINE PACKAGE



NOTES: A. All linear dimensions are in inches (millimeters).

B. This drawing is subject to change without notice.

C. Body dimensions do not include mold flash or protrusion not to exceed 0.006 (0,15).

D. Falls within JEDEC MS-013 variation AC.



N (R-PDIP-T**)

PLASTIC DUAL-IN-LINE PACKAGE

16 PINS SHOWN



NOTES:

- A. All linear dimensions are in inches (millimeters).B. This drawing is subject to change without notice.
- Falls within JEDEC MS-001, except 18 and 20 pin minimum body length (Dim A).
- \triangle The 20 pin end lead shoulder width is a vendor option, either half or full width.



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